

## ANALYTICA CHIMICA ACTA, VOL. 233 (1990)

## AUTHOR INDEX

- Abdullah, M., see Matthews, R.W. 171  
 Agterdenbos, J., see Bax, D. 321  
 Aime, S., see Gennaro, M.C. 85  
 Alvarez, J.M., Fernández, see Miranda Ordieres, A.J. 281  
 Al-Zamil, Z.A.  
   —, Hassan, Y.A. and Sultan, S.M.  
   Indirect determination of cyanide by molecular emission cavity analysis 307
- Bagheri, H.  
   — and Creaser, C.S.  
   Indirect fluorescence detection in capillary gas chromatography 303
- Bax, D.  
   —, Agterdenbos, J. and Saakes, A.  
   Role of nitrogen in dry destruction by low-temperature ashing in a low-pressure oxygen atmosphere in a microwave plasma 321
- Behringer, C.  
   —, Lehmann, B., Haug, J.-P., Seiler, K., Morf, W.E., Hartman, K. and Simon, W.  
   Anion selectivities of trifluoroacetophenone derivatives as neutral ionophores in solvent-polymeric membranes 41
- Bergveld, P., see Van der Schoot, B.H. 49  
 Berzas Nevado, J.J., see Salinas, F. 289  
 Binger, M.  
   Determination of *O*-dealkylation products of *R*-(-)- and *S*-(+)-10,11-methylenedioxy-*N*-*n*-propylnoraporphine in *Cunninghamella elegans* cultures by liquid chromatography 191
- Blanco, M., see Oms, M.T. 159  
 Blanco, P., Tuñón, see Miranda Ordieres, A.J. 281  
 Blödorn, W., see Stummeyer, J. 243  
 Bos, M.  
   —, Bos, A. and Van der Linden, W.E.  
   Processing of signals from an ion-selective electrode array by a neural network 31  
   —, see Driebergen, R.J. 251
- Bos, A., see Bos, M. 31  
 Brinkman, U.A.Th., see Veltkamp, A.C. 181  
 Burlitch, J.M., see Neils, T.L. 229
- Carnahan, J.W., see Zhang, L. 149  
 Causa, M., see Gennaro, M.C. 85  
 Cerdà, V., see Oms, M.T. 159  
 Chaudhri, S.A., see Khalid, N. 165  
 Ci, Y.-X.  
   — and Wang, F.  
   Spectrofluorimetric determination of hydrogen peroxide based on the catalytic effect of peroxidase-like manganese tetrakis(sulphophenyl)porphyrin on the oxidation of homovanillic acid 299
- Coello, J., see Oms, M.T. 159  
 Costa García, A., see Miranda Ordieres, A.J. 281  
 Creaser, C.S., see Bagheri, H. 303
- Das, H.A., see Veltkamp, A.C. 181  
 De Stefano, C., see Gennaro, M.C. 85  
 Den Hartigh, J., see Driebergen, R.J. 251  
 Driebergen, R.J.  
   —, Den Hartigh, J., Holthuis, J.J.M., Hulshoff, A., Van Oort, W.J., Postma Kelder, S.J., Verboom, W., Reinhoudt, D.N., Bos, M. and Van der Linden, W.E.  
   Electrochemistry of potentially bioreductive alkylating quinones. Part 1. Electrochemical properties of relatively simple quinones, as model compounds of mitomycin- and aziridinylquinone-type antitumour agents 251
- Espinosa Mansilla, A., see Salinas, F. 289
- Fachinger, C.  
   —, Jarosz, J., Martin-Bouyer, M., Paturel, L., Saber, A. and Vial, M.  
   Computerized data acquisition and processing for Shpol'skii high-resolution spectrofluorimetry 207
- Fernández Alvarez, J.M., see Miranda Ordieres, A.J. 281  
 Fink, D., see Sharma, P. 101  
 Forteza, R., see Oms, M.T. 159  
 Franco, M.A.  
   —, Seeber, R., Sferlazzo, G. and Leardi, R.  
   Classification and prediction ability of pattern recognition methods applied to sea-water fish 143
- Frei, R.W., see Veltkamp, A.C. 181  
 Frenzel, W.  
   —, Liu, C.Y. and Oleksy-Frenzel, J.  
   Enhancement of sensor selectivity by gas-diffusion separation. Part 1. Flow-injection potentiometric determination of cyanide with a metallic silver-wire electrode 77
- Fürst, A.  
   —, Pretsch, E. and Robien, W.  
   Comprehensive parameter set for the prediction of the <sup>13</sup>C-NMR chemical shifts of sp<sup>3</sup>-hybridized carbon atoms in organic compounds 213
- García, A., Costa, see Miranda Ordieres, A.J. 281  
 Gehrig, P.  
   —, Rusterholz, B. and Simon, W.  
   Very lipophilic sodium-selective ionophore for chemical sensors of high lifetime 295

- Gennaro, M.C.  
—, Aime, S., Santucci, E., Causa, M. and De Stefano, C.  
Complexes of diethylenetriaminepentaacetic acid as contrast agents in NMR imaging. Computer simulation of equilibria in human blood plasma 85
- Grasselli, M.  
— and Olivieri, A.C.  
Microcomputer program based on the Beierbeck-Saunders approach for the prediction of  $^{13}\text{C}$ -NMR chemical shifts in acyclic hydrocarbons 315
- Haapakka, K.  
—, Kankare, J. and Lipiäinen, K.  
Instrumentally simple flow detector for the determination of traces of electroluminescent compounds in aqueous solutions 199
- Hartigh, J., den, see Driebergen, R.J. 251
- Hartman, K., see Behringer, C. 41
- Hassan, Y.A., see Al-Zamil, Z.A. 307
- Haug, J.-P., see Behringer, C. 41
- Ho, M.H., see Weng, J.-L. 59
- Holthuis, J.J.M., see Driebergen, R.J. 251
- Honda, H., see Shida, J. 135
- Hoshino, H., see Miura, J. 121
- Huang, W.-F., see Zhang, Y.-J. 223
- Hulanicki, A.  
—, Lewandowski, R., Michalska, A. and Lewenstam, A.  
Potentiometric method for the determination of calcium in blood serum 269
- Hulshoff, A., see Driebergen, R.J. 251
- Imato, T.  
—, Yoshizuka, T. and Ishibashi, N.  
Potentiometric flow-injection determination of boron by using a flow-through tetrafluoroborate ion-selective poly(vinyl chloride) membrane electrode 139
- Ishibashi, N., see Imato, T. 139
- Jarosz, J., see Fachinger, C. 207
- Jovanović, M.S., see Jovanović, V.M. 329
- Jovanović, V.M.  
— and Jovanović, M.S.  
Standard potential values of "cyanide-sensitive" silver iodide and silver sulphide ion-selective electrodes 329
- Jurs, P.C., see Smeeks, F.C. 111
- Kankare, J., see Haapakka, K. 199
- Kasama, K., see Shida, J. 135
- Kateman, G., see Wolters, R. 65
- Khalid, N.  
— and Chaudhri, S.A.  
Effect of acids on the determination of lead and cadmium by atomic absorption spectrometry 165
- Klein, J., see Sharma, P. 101
- Kojima, N., see Suzuki, H. 275
- Koryta, J.  
Theory and applications of ion-selective electrodes. Part 8 (Review) 1
- Kurotu, T.  
Simultaneous determination of In(III) and Cd(III) in the presence of polyethylene glycol monostearate by direct current polarography 325
- Lanouette, M., see Wigfield, Y.Y. 311
- Leardi, R., see Franco, M.A. 143
- Lehmann, B., see Behringer, C. 41
- Lewandowski, R., see Hulanicki, A. 269
- Lewenstam, A., see Hulanicki, A. 269
- Linden, W.E., van der, see Bos, M. 31
- Lipiäinen, K., see Haapakka, K. 199
- Liu, C.Y., see Frenzel, W. 77
- Low, G.K.-C., see Matthews, R.W. 171
- Mansilla, A., Espinosa, see Salinas, F. 289
- Martin-Bouyer, M., see Fachinger, C. 207
- Martinez Calatayud, J., see Varma, S.R. 235
- Maspoch, S., see Oms, M.T. 159
- Matthews, R.W.  
—, Abdullah, M. and Low, G.K.-C.  
Photocatalytic oxidation for total organic carbon analysis 171
- Michalska, A., see Hulanicki, A. 269
- Middleton, R., see Sharma, P. 101
- Miranda Ordieres, A.J.  
—, Costa García, A., Fernández Alvarez, J.M. and Tuñón Blanco, P.  
Phase-selective alternating current polarographic assay of methotrexate in human serum 281
- Miura, J.  
—, Hoshino, H. and Yotsuyanagi, T.  
Determination of trace amounts of vanadium in air samples with 2-(8-quinolylazo)-5-*N,N*-diethylaminophenol by reversed-phase liquid chromatography 121
- Morf, W.E., see Behringer, C. 41
- Mottola, H.A., see Varma, S.R. 235
- Neill, P.H., see Zhang, L. 149
- Neils, T.L.  
— and Burlitch, J.M.  
Determination of minor components in mixtures using EXAFS 229
- Nevado, J.J., Berzas, see Salinas, F. 289
- Nonidez, W.K., see Weng, J.-L. 59
- Oikawa, K., see Shida, J. 135
- Oleksy-Frenzel, J., see Frenzel, W. 77
- Olivieri, A.C., see Grasselli, M. 315
- Oms, M.T.  
—, Forteza, R., Cerda, V., Maspoch, S., Coello, J. and Blanco, M.  
Simultaneous determination of two components by spectrofluorimetric techniques 159
- Oort, W.J., van, see Driebergen, R.J. 251
- Opstal, M.A.J., van, see Wolters, R. 65
- Ordieres, A.J., Miranda, see Miranda Ordieres, A.J. 281
- Ortner, H.M., see Stummeyer, J. 243

- Paturel, L., see Fachinger, C. 207
- Pijpers, F.W.  
—, Vertogen, G. and Van Weerd, T.  
Possible role of oxygen valence in superconducting ceramics 155
- Postma Kelde, S.J., see Driebergen, R.J. 251
- Pretsch, E., see Fürst, A. 213
- Reinhoudt, D.N., see Driebergen, R.J. 251
- Robien, W., see Fürst, A. 213
- Rusterholz, B., see Gehrig, P. 295
- Saakes, A., see Bax, D. 321
- Saber, A., see Fachinger, C. 207
- Salinas, F.  
—, Espinosa Mansilla, A. and Berzas Nevado, J.J.  
Derivative spectrophotometric determination of sulphonamides by the Bratton-Marshall reaction 289
- Santucci, E., see Gennaro, M.C. 85
- Schoot, B.H., van der, see Van der Schoot, B.H. 49
- Seeber, R., see Franco, M.A. 143
- Seiler, K. see Behringer, C. 41
- Sferlazzo, G., see Franco, M.A. 143
- Sharma, P.  
—, Middleton, R., Fink, D. and Klein, J.  
Sample preparation for the determination of radiocalcium by accelerator mass spectrometry 101
- Shida, J.  
—, Kasama, K., Honda, H. and Oikawa, K.  
Photoacoustic spectrometric determination of trace phosphorus as molybdenum blue adsorbed on uniform anion-exchange beads 135
- Simon, W., see Behringer, C. 41  
—, see Gehrig, P. 295
- Smeeks, F.C.  
— and Jurs, P.C.  
Prediction of boiling points of alcohols from molecular structure 111
- Strelow, F.W.E.  
Distribution coefficients and cation-exchange behaviour of some amines and aquo complexes of metallic elements in ammonium nitrate solution 129
- Stummeyer, J.  
—, Blödorn, W., Wünsch, G., Wilhartitz, P. and Ortner, H.M.  
Verbundverfahren zur Multielement-Spurenbestimmung in hochreinem Chrom nach Spuren-Matrix-Trennung 243
- Sugama, A., see Suzuki, H. 275
- Sultan, S.M., see Al-Zamil, Z.A. 307
- Suzuki, H.  
—, Sugama, A. and Kojima, N.  
Effect of anode materials on the characteristics of the miniature Clark-type oxygen electrode 275
- Tuñón Blanco, P., see Miranda Ordieres, A.J. 281
- Van der Linden, W.E., see Bos, M. 31  
—, see Driebergen, R.J. 251
- Van der Schoot, B.H.  
— and Bergveld, P.  
Evaluation of the sensor properties of the pH-static enzyme sensor 49
- Van Oort, W.J., see Driebergen, R.J. 251
- Van Opstal, M.A.J., see Wolters, R. 65
- Van Weerd, T., see Pijpers, F.W. 155
- Varma, S.R.  
—, Martinez Calatayud, J. and Mottola, H.A.  
Continuous-flow determination of reserpine by oxidation with periodate ion and catalysis by manganese(II) in solution or by an  $\text{MnO}_2(\text{s})$  reactor 235
- Veltkamp, A.C.  
—, Das, H.A., Frei, R.W. and Brinkman, U.A.Th.  
Flow-through radioactivity detection of  $^3\text{H}$ - and  $^{14}\text{C}$ -labelled compounds in reversed-phase liquid chromatography by a liquid scintillation counting technique based on post-column extraction 181
- Verboom, W., see Driebergen, R.J. 251
- Vertogen, G., see Pijpers, F.W. 155
- Vial, M., see Fachinger, C. 207
- Wang, F., see Ci, Y.-X. 299
- Weerd, T., van, see Pijpers, F.W. 155
- Weng, J.-L.  
—, Ho, M.H. and Nonidez, W.K.  
Amperometric determination of formaldehyde via the hexacyanoferrate(III)-coupled dehydrogenase reaction 59
- Wigfield, Y.Y.  
— Lanouette, M.  
Simplified liquid chromatographic determination of glyphosate and metabolite residues in environmental water using post-column fluorogenic labelling 311
- Wilhartitz, P., see Stummeyer, J. 243
- Winans, R.E., see Zhang, L. 149
- Wolters, R.  
—, Van Opstal, M.A.J. and Kateman, G.  
Quantitative validation of a flow-injection determination of penicillin in pharmaceutical formulations by means of a validation program based on an expert system 65
- Wünsch, G., see Stummeyer, J. 243
- Yoshizuka, T., see Imato, T. 139
- Yotsuyanagi, T., see Miura, J. 121
- Zhang, L.  
—, Carnahan, J.W., Winans, R.E. and Neill, P.H.  
Solvent venting interface for capillary gas chromatography and a microwave-induced plasma 149
- Zhang, Y.-J.  
—, Huang, W.-F. and Zhu, J.  
Assignment of configurations of conjugated dienic pheromones by fuzzy classification of carbon-13 chemical shifts 223
- Zhu, J., see Zhang, Y.-J. 223

